

SAMUSEVA, R.G.; POLETAYEV, I.F.; PLYUSHCHEV, V.Ye.

Melting diagrams of the systems  $\text{Na}_2\text{Cr}_2\text{O}_7$  -  $\text{Rb}_2\text{Cr}_2\text{O}_7$  and  $\text{Na}_2\text{Cr}_2\text{O}_7$  -  
 $\text{Cs}_2\text{Cr}_2\text{O}_7$ . Zhur.neorg.khim. 7 no.5:1146-1149 My '62.  
(MIRA 15:7)

(Systems (Chemistry)) (Thermal analysis)

37174  
S/078/62/007/005/014/014  
B101/B110

18.9.200

AUTHORS: Samuseva, R. G., Poletayev, I. F., Plyushchев, V. Ye.

TITLE: Study of the fusibility in the systems  $\text{Na}_2\text{Cr}_2\text{O}_7 - \text{Rb}_2\text{Cr}_2\text{O}_7$   
 $\text{Na}_2\text{Cr}_2\text{O}_7 - \text{Cs}_2\text{Cr}_2\text{O}_7$

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 5, 1962, 1146-1149

TEXT: The melting-point diagrams of the systems  $\text{Na}_2\text{Cr}_2\text{O}_7 - \text{Rb}_2\text{Cr}_2\text{O}_7$  (I) and  $\text{Na}_2\text{Cr}_2\text{O}_7 - \text{Cs}_2\text{Cr}_2\text{O}_7$  (II) were plotted by means of thermal analysis to extend the applicability of Rb and Cs compounds. The compound  $\text{Na}_2\text{Cr}_2\text{O}_7 \cdot \text{Rb}_2\text{Cr}_2\text{O}_7$ , m. p.  $339^\circ\text{C}$ , is formed in system I; it forms eutectics with the components of the system:  $\text{Na}_2\text{Cr}_2\text{O}_7 \cdot \text{Rb}_2\text{Cr}_2\text{O}_7 + \text{Na}_2\text{Cr}_2\text{O}_7$ , m. p.:  $303^\circ\text{C}$ , contains 22 mole%  $\text{Rb}_2\text{Cr}_2\text{O}_7$ ;  $\text{Na}_2\text{Cr}_2\text{O}_7 + \text{Rb}_2\text{Cr}_2\text{O}_7$ , m. p.  $317^\circ\text{C}$ , contains 75 mole%  $\text{Rb}_2\text{Cr}_2\text{O}_7$ . A polymorphous conversion of the sodium bichromate was observed at  $248^\circ\text{C}$ . The low thermal effect of this conversion

Card 1/2

POLETAYEV, I.K.

Poletayev, I.K. "On the measures taken to combat the progressive salinification of  
the soils of the Vakhsh Valley", Sel. khoz-vo Tadzhikistana, 1949, No. 1, p. 21-23.  
(Letopis 'zhurnal 'nykh Statey No. 12, 1949)

SO: U-3261, 10 April 53,

GILEVA, E.A.; POLETAYEVA, I.I.

Conference on biophysics at "Miassovo." Probl. kib. no. 6:298-300  
'61. (MIRA 15:1)  
(Biophysics--Congresses)

1. POLETAYEV, I. K.
2. USSR (600)
4. Reclamation of Land
7. Hydrogeological processes in irrigated lands and their role in reclamation. Soob.  
TFAN SSSR no. 30, 1951.
9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

POLETAYEV, I.K.

Will the drying of cotton plantations result in lowering the water-bearing level from the stratum of fine soil to gravel? Izv. Otd. est. nauk AN Tadzh.SSR no.1:93-96 '52. (MLRA 9:10)

1. Institut geologii Akademii nauk Tadzhikskey SSR.  
(Tajikistan--Drainage) (Tajikistan--Soil moisture)

POLETAYEV, I. K.

"Sources of Ground Waters of the Vakhshskaya Valley"  
Izv. otd. vest. n. AN Tadzh. SSR, No 2, 1953, pp 75-82

Earlier investigators had maintained that 85% of the ground water in the Vakhshskaya valley was the result of irrigation water, and 15% was caused by natural precipitation. By studying saline and mineral qualities of this water the author was able to prove that actually the basic source of the ground water in the valley is the ground water of nearby ridges and highlands, and that a secondary source is an underground current of filtration waters from Vakhsh. (RZhGeol, No 4, 1954)

SO: W-31187, 8 Mar 55

14-57-6-12236

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 6,  
p 77 (USSR)

AUTHOR: Poletayev, I. K.

TITLE: Hydrogeological Conditions and Means of Improving the Irrigated Part of the Vakhsh Valley (O gidrogeolo-cheskikh usloviyakh i putyakh melioratsii oroshayemoy territorii Vakhshskoy doliny)

PERIODICAL: Uch. zap. Tadzh. un-ta, 1956, Vol 12, pp 25-52

ABSTRACT: The author describes briefly the physical, geographical and hydrological features of the valley. He notes that the basic sources of the valley ground water supply are the subterranean flow and seepage of the Vakhsh River, as well as ground water from bedrock of surrounding ranges. To combat ground salting, the author suggests that the aquiferous horizon be lowered from the fine-grained layer to the layer of gravel; this would make it possible to inter-

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15-57-10-14669

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10,  
pp 216-217 (USSR)

AUTHOR: Poletayev, I. K.

TITLE: Hydrogeological Conditions in the Kamysh Kurgan Land  
Mass and Ground Water Utilization for Irrigation (O  
gidrogeologicheskikh usloviyakh Kamyshkurganskogo  
zemel'nogo massiva i ispol'zovaniii gruntovykh vod na  
orosheniye)

PERIODICAL: Dokl. AN TadzhSSR, 1956, Nr 15, pp 27-31

ABSTRACT: The Kamysh Kurgan valley, which is approximately 17 km  
wide, is located in the northwestern part of the  
Fergana depression on the right bank of the Sir-Dar'ya  
river (the Ashtskiy rayon of Leninabadskaya 'blast' in  
Tadzhikskaya SSR). . . The valley is filled with  
alluvial deposits from small mountain rivers (Karakhan,  
Pangaz, Ashab, Gudas), coarse gravel and sands from  
streams, loams and clays of proluvial deposits, and  
deluvial fine sand. Rain and surface and ground run-off

Card 1/2

POLETAYEV, I.K.

Estimate of land improvement potential for the northern  
foothills of Turkestan Range in the Khodzha-Bakirgan and Ak-Su  
Valleys. Dokl. AN Tadzh.SSR no.15:33-38 '56. (MLRA 9:10)

1. Institut geologii AN Tadzhikskoy SSR. Predstavлено членом-  
корреспондентом AN Tadzhikskoy SSR P.B. Baratovym.  
(Leninabad Province--Water, Underground)

POLETAYEV, I.K.

Planning embankments for drainage collector systems and the  
angles of slope in loess type soils. Dokl. AN Tadzh.SSR no.  
16:15-26 '56. (MLRA 9:11)

1. Institut geologii Akademii nauk Tadzhikskoy SSR.  
Predstavleno akademikom G.A. Aliyevym.  
(Excavation)

18-57-5-6896

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5,  
p 166 (USSR)

AUTHOR: Poletayev, I. K.

TITLE: Hydrogeological Conditions in the Samgar Valley and the  
Use of Ground Water in the Valley for Irrigation (O  
gidrogeologicheskikh usloviyakh Samgarskoy doliny i  
ispol'zovaniyu yeye gruntovykh vod na orosheniye)

PERIODICAL: Dokl. AN TadzhSSR, 1956, Nr 16, pp 27-30.

ABSTRACT: The Samgar valley occupies the western part of the  
Fergana basin and represents a syncline. The surface  
of the valley is composed of deposits from mountain  
streams and creeks. The ground waters are brought out  
in water-collecting galleries and are conducted auto-  
matically (by gravity flow) to the fields for irri-  
gation. A water-bearing horizon is found everywhere at  
50 cm. Only a very small part of the existing ground  
water is used. Fuller use of the ground water may be  
effected by damming the ground water in water-collecting

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15-57-5-6896

Hydrogeological Conditions in the Samgar Valley (Cont.)

galleries and by pumping the ground water from drill holes. To do this it would be necessary to deepen the existing water-collecting galleries in the aquifer, to increase the length and number of the galleries, and to place the galleries properly in relation to the direction of subsurface flow.

Card 2/2

S. M. A.

POLETAYEV, I.K.

Method for determining salts in soils and subsoils. Trudy AN  
Tadzh. SSR 58:169-174 '56.  
(MLRA 10:6)  
(Alkali lands)

POLETAYEV, I.K.

Geomorphology of the mouth of the Vakhsh Valley. Izv. Otd. est. nauk  
AN Tadzh. SSR no. 20:11-36 '57. (MIRA 11:8)

1. Institut geologii AN Tadzhikskoy SSR.  
(Vakhsh Valley—Physical geography)

POLETAYEV, I.K.

Hydrogeologic conditions and the effect of irrigation drainage and  
irrigation areas on the level of underground waters in the Ak-Gazin-  
skoye Plateau. Trudy Tadzh.gos.un. 28 no.1:119-146 '60.  
(MIRA 15:1)

(Tadzhikistan--Water, Underground)

POLETAYEV, I.K.

Chemical investigation of water extracts and underground waters  
of the Vakhsh Valley. Uch. zap. Tadzh. un. 17. Trud. Fak. est.  
nauk no. 38137-164 '58 (MIRA 17:7)

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CIA-RDP86-00513R001341720012-0

POLETAYEV, I.K.

Map of underground waters of the Komi A.S.S.R.; explanatory note.  
Trudy Inst.geol. Komi fil. AN SSSR no.2:114-121 '62. (MIRA 15:7)  
(Komi A.S.S.R.--Water, Underground--Maps)

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CIA-RDP86-00513R001341720012-0"

POLETAYEV, L., polkovnik, kand. voyennyy nauk

Combat against tanks and armored carriers. Voen. vest. al no.?  
14-17 Jl '61. (MIRA 15:1)  
(Tank warfare)

NAUMOV, Aleksandr Ievgen'evich RENOKH, Nikolay Mikhaylovich  
[deceased], CHESSTIKOV, V. A., Gerasimov, MYTAKOV, N.P.,  
retsenzenter; POLEJAYEV, I. A., LIMNITIEVSKIY, Ye.S.,  
red.; VITASHKINA, S.A., etc.

[Manual for navigation and operation of the river and lake  
fleet] Possible role of naval forces in reorganizing czernogor  
flota. Moskva, Transport, 1955. 182 p. (MIRA 1819)

NIKOLIN, A.V., glav. revizor po bezopasnosti sudokhodstva, red.;  
PIROZHKOY, N.I., kapitan-nastavnik, red.; POLETAYEV,  
L.A., kapitan-nastavnik, red.; KOZIN, N.A., kapitan,  
red.; KUZNETSOV, B.Yu, kapitan, red.; TARASOV, A.G.,  
kapitan, red.; VYKHODTSEV, P.K., red.; PERMYAKOV, V.V.,  
red.; SIDOROV, F.G., red.; SOLOV'YEV, V.B., red.;  
SHIRINKIN, A.D., red.; SHCHEPETOV, I.A., red.; SMIRNOV,  
F.A., red.; KOSTIN, V.F., red.; SAVOSTIN, N.D., red.;  
FILYASOV, K.A., red.; IVANOV, A.I., red.; LOBANOV, Ye.M.,  
red.izd-va; REMNEVA, T.T., tekhn. red.

[Rules for the navigation on inland shipping routes of the  
R.S.F.S.R.] Pravila plavaniia po vnutrennim sudokhodnym  
putiam RSFSR. Vvedeny v deistvie s 15 marta 1963. g. pri-  
kazom ministra rechnogo flota No.33 ot 28 fevralia 1963. g.  
Moskva, Izd-vo "Rechnoi transport," 1963. 98 p.

(MIRA 16:6)

1. Russia (1917- R.S.F.S.R.) Ministerstvo rechnogo flota.  
(Inland navigation--Laws and regulations)

NIKOLIN, A.V.; BELOV, A.P., kapitan-nastavnik; VASILAMOV, I.S., kapitan-nastavnik; KOSMACHEV, I.K., kapitan-nastavnik; SARATOV, V.F., kapitan-nastavnik; SEMONIN, M.I., kapitan-nastavnik; FEKMAN, A.A., kapitan; DRUZHININ, A.V., kapitan; IVANINA, B.F., kapitan; POLETAEV, L.A., kapitan; VESHCHILOV, K.A.; VYKHODTSEV, P.K.; SMOLDYREV, A.Ye.; VERESHCHAGIN, Ya.A.; SUTYRIN, M.A.; SAVOSTIN, N.D.; FILYASOV, K.A.; GOLOVUSHKIN, M.P.; IVANOV, A.I.; FILYASOV, K.A., otv.za vypusk; ALEKSEYEV, V.I., red.izd-va; YERMAKOVA, T.T., tekhn.red.

[Rules of navigation on R.S.F.S.R. inland waterways] Pravila plavaniia po vnutrennim vodnym putiam RSFSR. Vvedeny v deistvie s 1 marta 1959 g. prikazom ministra rechnogo flota no.28 ot 11 fevralia 1959 g. Moskva, Izd-vo "Rechnoi transport," 1959. 124 p.

(MIRA 13:6)

1. Russia (1917- R.S.F.S.R.) Ministerstvo rechnogo flota. 2. Glavnyy revizor po bezopasnosti sudokhodstva (for Nikolin). 3. Nachal'nik besseynovykh sudokhodnykh inspeksiya (for Veshchilov, Vykhodtsev, Smoldyrev). 4. Rabotniki Upravleniya glavnogo revizora po bezopasnosti sudokhodstva (for Vereshchagin, Sutyrin, Savostin, Filyasov). 5. Glavnoye upravleniye vodnykh putey i gidrotekhnicheskikh sotsuzheniy (for Golovushkin).

(Inland navigation--Laws and regulations)

KAPLAN, Veniamin Grigor'yevich; TAYTS, N.Yu., prof., doktor tekhn. nauk,  
retsenzent; POLETAYEV, L.B., kand. tekhn. nauk, retsenzent; ROZEN-  
GART, Yu.B., kand. tekhn. nauk, retsenzent; VESELKOV, N.G., red.;  
LANOVSKAYA, M.R., red. izd-va; MIKHAYLOVA, V.V., tekhn. red.

[Adjustment and operation of metal heating furnaces] Naladka i  
eksploatatsiya pechei dlia nagreva metalla. Moskva, Gos.  
nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii,  
1961. 352 p. (MIRA 14:9)

(Furnaces, Heating)

POLETAYEV, M. I.

Colorimetric determination of small quantities of styrol in the  
air. Gig. sanit., Moskva no.3:46-47 Mar 1952. (CML 22:2)

1. Of the Institute of Labor Hygiene and Occupational Diseases,  
Academy of Medical Sciences USSR.

BYKHOVSKAYA, M.S.; POLETAYEV, M.I.

Polarographic method in sanitary and hygienic investigations. Gig. sanit.,  
Moskva no.12:47-50 Dec 1952. (CLML 23:4)

1. Of the Institute of Labor Hygiene and Occupational Diseases of the  
Academy of Medical Sciences USSR.

POLETAYEV, M.I.

BYKHOVSKAYA, M.S.; POLETAYEV, M.I.

Polarographic method for determining lead, copper, zinc and cadmium  
in industrial and sanitary chemistry. Nov.med. no.26:39-45 '52.  
(POLAROGRAPHY) (MIRA 11:1)  
(AIR--ANALYSIS)

POLETAYEV, M.I.; ANDRSEYVA, N.A.

Colorimetric method for the determination of ammonia in air  
with phenol and sodium hypochlorite. Gig. i san. 24 no.6:  
73-74 Je '59. (MIRA 12:8)

(AIR POLLUTION, determ.

ammonia determ., colorimetric method with  
phenol & sodium hypochlorite (Rus))

(AMMONIA, determ.

in air, colorimetric method with phenol &  
sodium hypochlorite (Rus))

POLETAYEV, M.I.

Nephelometric method for determining aerosols of lubricating oils  
(turbine, spindle, machine) in factory air. Gig.i san. 25 no.1:  
61-62 Ja '60. (MIRA 13:5)  
(AIR POLLUTION)

21889  
S/177/61/000/002/002/005  
D234/D305

L70000

AUTHORS:

Bogatkov, P.I., Candidate of Chemical Sciences,  
Nefedov, Yu.G., Candidate of Medical Sciences, and  
Poletayev, M.I.

TITLE: Expired air as a source of carbon monoxide contamination of air in hermetically sealed rooms

PERIODICAL: Voyenno-meditsinskiy zhurnal, no. 2, 1961, 37 - 39

TEXT: Carbon monoxide in the expired air of a healthy man is formed endogenously. Shostrand Abstractor's note: No reference given measured 0.0021 - 0.0024 % and noted a marked rise in diseases causing an oxygen deficit, after hard physical work and the inspiration of 6 - 7 % CO<sub>2</sub> or oxygen deficient air. Kon-Abre Abstractor's note: No reference given added asphyxias and several other pathological processes. The blood level of carboxyhaemoglobin may reach 4 % as a result of endogenous formation. The mechanism of formation is not yet established. In vitro, experiments with animal blood show that carbon monoxide is formed at 38°, the content increasing

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at 80 - 100°, in the second density 45 - 50 %. A special apparatus

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Expired air as a source of ...

S/177/61/000/002/002/005  
D234/D305

the air composition in the chamber to be maintained as 19 - 25 % oxygen, 0.2 - 0.8 carbon dioxide. Possible experimental sources of carbon monoxide formation e.g., burning organic material, smoking etc., were excluded as was formation by the replenishing apparatus. Air analysis for CO was made twice per 24 hours using apparatus, type LKB 3267A<sup>1</sup>. The specificity of the method was checked on chemical components of the chamber air - carbon dioxide, ammonia, methylamines and aldehydes, and found to be reliable. Air analysis: the subject made two full expirations through a gas pipette, volume 250 m<sup>3</sup>; two successive trials were chosen; air from the pipette passed through the indicator tube and the carbon monoxide content was determined by comparing the color intensity of the reacting substance with the standard scale. Data for smokers and non-smokers are given in tabulated form. The expired air of non-smokers contains on average 0.016 mg/l of carbon monoxide of smokers 0.038 mg/l. The results for non-smokers are approximately 20 % below Shostrand's due to the different methods of carbon monoxide determination. Carbon monoxide concentration went on rising as long as

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Expired air as a source of ...

S/177/61/000/002/002/005  
D234/D305

X

the experiment continued reaching 0.023 - 0.027 mg/l after nine to ten days. Temperature had no effect on the rate of increase or on concentration. It is not yet possible fully to evaluate the significance of this carbon monoxide formation from a sanitary and hygienic point of view, but such high concentrations of carbon monoxide may be reckoned disadvantageous especially if people have to be in such hermetically sealed chambers continuously and for a long time. There are 1 table and 1 figure.

SUBMITTED: December 1959

Card 4/4

L 23120-66 EWP(m)/EWP(j) RM

ACC NR: AP5025771 SOURCE CODE: UR/0240/65/000/010/0064/0065

AUTHOR: Poletayev, M. I. (Moscow)

ORG: none

TITLE: Colorimetric determination of low indole amounts in air

SOURCE: Gigiya*n* i sanitariya, no. 10, 1965, 64-65

TOPIC TAGS: colorimetric analysis, air sampler, atmospheric contamination, gas adsorption

ABSTRACT: The analytic method represents a refinement of the less sensitive method developed by L. A. Mokhov and N. S. Mareyeva and involves qualitative reactions with nitric acid and with p-dimethylaminobenzaldehyde. It permits determination of as little as 0.0005 mg indole in the colorimetric volume. A reference indole scale is used and a solution of glacial acetic acid or ethanol for adsorption of the indole from the air (rate 0.5-0.7 liters/min) is also used. Results are compared after 5-7 or 3-5 minutes respectively. Benzene, acetone, ammonium or hydrogen sulfide do not interfere, nor do methylamine and formaldehyde up to 1 mg. "N. A. Andreyeva participated in this work". Orig. art. has: none.

SUB CODE: 04, 07/ SUBM DATE: 07Apr64

Card 1/1 BLG

UDC: 614.777-074:547.751

33  
B

Z

POLETAEV, M. N.  
USSR/Engineering - Hydroelectric station

Card 1/1 : Pub. 77 - 3/26

Authors : Poletaev, M. N., Engineer

Title : First on the Dniester--hydroelectric plant

Periodical : Nauka i zhizn' 21/7, 4 - 5, July 1954

Abstract : A description is given of a hydroelectric station which is being built on the Dniester River near the City of Dubrossary, and which will triple the electric-power supply of the Republic of Moldavia. Details are given of the method of building the dams and the pouring of the concrete. Illustrations.

Institution : ...

Submitted : ...

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"**Determination of Small Quantities of Lithium in the Air,**" by  
M. Ye. Foletayev, Institute of Labor Hygiene and Occupational  
Diseases, Academy of Medical Sciences USSR, Gigiyena i Sani-  
tariya, Vol 21, No 9, Sep 56, pp 84-85

This work describes method of determining the content of lithium vapor or dust in the atmosphere. The method is based on the reaction in which the compound LiKFeIO<sub>6</sub> is formed by the action of a solution of calcium periodate on lithium compounds in an alkaline medium. This reaction is specific to lithium compounds. In large concentrations these compounds settle in the form of a precipitate, and in small concentrations, in the form of cloudy suspensions of various intensities. (U)

*SUMMER 1967*

SMIRNOVA, D.N.; POLETAYEV, P.A.; LEVITSKYA, G.D.

Case of membranous subacute septic endocarditis in a patient  
with aneurysm of the left ventricle. Klin.med. 38 no.6:143-  
144 Je '60. (MIRA 13:12)

(ENDOCARDITIS) (ANEURYSM)

KASIMOV, Ye.; FTI'L'KIN, I.; KUCHMASOV, P.; RUSINYAK, A.; POLETAYEV, R.;  
BRUZH, R.; BABKOV, D., inzh.

Exchange of experience. Avt. transp. 43 no.2:50-54 F '65.  
(MIRA 18:6)

CHAPCHAYEV, A., kand. tekhn. nauk; NAUMOV, S., inzh.; ZORIN, A., inzh.;  
POLETAYEV, R.

Helical steel piston rings. Avt. transp. 43 no.4:30-33 Ap '65.  
(MIRA 18:5)

POLETAYEV, S.D., kand. med. nauk, red.; KANTARBAYEV, Zh.K., kand. med. nauk, red.; CHENSKIKH, Ye.P., kand. med. nauk, red.; SHEVCH. L.B., red.;

[Abstracts of reports of the Scientific Session of the Kazakh Scientific Research Institute of Tuberculosis and the Republic Scientific Medical Society of Phthisiologists] Tezisy dokladov Nauchnoi sessii Kazakhskogo nauchno-issledovatel'skogo instituta tuberkuleza i Respublikanskogo nauchnogo meditsinskogo obshchestva ftiziatorov. Alma-Ata, M-vo zdravookhraneniia Kazakhskoi SSR, 1962. 129 p. (MIRA 18:4)

1. Nauchnaya sessiya Kazakhskogo nauchno-issledovatel'skogo instituta tuberkuleza i respublikanskogo nauchnogo meditsinskogo obshchestva ftiziatrov. 1962. 2. Kazakhskiy nauchno-issledovatel'skiy institut tuberkuleza, Alma-Ata.

POLETAYEV, S. D., kand.med.nauk (Tallin)

Study of hemodynamics in the clinical aspects of pulmonary tuberculosis.  
Probl. tub. 38 no.3:29-34 '60. (MIRA 14:5)  
(TUBERCULOSIS) (CARDIOVASCULAR SYSTEM)

POLETAYEV, S.D., kand.med.nauk; KEMZHEBAYEVA, Z.A.

Experience with the execution of antitubercular measures in a remote  
livestock raising district in Kazakhstan. Probl. tub. 41 no. 8:  
13-15 '63. (MIRA 17:9)

1. Iz Kazakhskogo nauchno-issledovatel'skogo instituta tuberkuleza  
(dir. - kand.med.nauk A.A.Terlikbayev).

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POLETAEV, S. P.

Poletaev, S. P. "A Review of the Gravitational Work of N.G.R.I. (Scientific Geological Research Institute) in Southern Dagestan from 1927 and 1931." Trudy Sev.-Kavkazskoi Konferentsii Geol. -Neftianikov, Leningrad-Moscow, No. 6, 1934, pp. 219-236.

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CIA-RDP86-00513R001341720012-0"

VOLOVINSKAYA, V., kand. tekhn. nauk; RUBASHKINA, S.; POLETAYEV, T.;  
KEL'MAN, B.; MERKULOVA, V.

Improving the quality of hams during salting with the use of  
phosphates and sodium ascorbates and glutamates. Mias. ind. SSSR.  
30 no.4:48-50 '59. (MIRA 12:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlen-  
nosti. (Meat, Salt)

1. POLETAYEV, T.: ARENS, A.: BIRNASH, A.
  2. USSR (600)
  4. Tongue
  7. Salting tongues through the vascular system. Mias. Ind. SSSR 23 no. 6, 1952.
9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

KURKO, Vyacheslav Iosifovich, kand.tekhn.nauk; POLIKTAYEV, Tikhon  
Nikolayevich; RUDNIK, A.V., red.; GUREVICH, M.M., tekhn.red.

[Processing meat under domestic conditions] Pererabotka miasa  
v domashnikh usloviakh. Moskva, Gos.izd-vo sel'khoz.lit-ry,  
1958. 80 p. (Meat)

KRYLOVA, N.N., kandidat biologicheskikh nauk; ZUYEVA, L.D.; POLETAYEV, T.N.

Making and testing new salting mixtures. Trudy VNIIMS no.6:65-83 '54.  
(Sausages) (Sodium nitrite) (MLRA 10:8)

POLETAYEV, T.

BARMASH, A., kandidat tekhnicheskikh nauk; POLETAYEV, T., mладший  
научный сотрудник.

Protecting uncoated tin cans from corrosion. Mias.ind.SSSR 25 no.1:  
27 '54. (MLRA 7:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promysh-  
lennosti. (Corrosion and anticorrosives) (Containers)

POLETAYEV, T.

USSR:

✓ Accelerating curing of meat with increased temperatures.  
L. Lavrova, N. Kravchenko, and T. Poletaev. *Mysnaya Ind. S.S.R.* 25, No. 3, 16-19 (1954).—The literature on high-temp. curing is reviewed. A new method and equipment for the method is based on using circulating curing soln. and a temp. of about 60°. Curing is completed in about 18 hrs.

M. M. Piskur

PONETAYEV T.N.

LAVROVA, L.P., kandidat tekhnicheskikh nauk; LYASKOVSKAYA, Yu.N., kandidat tekhnicheskikh nauk; SHISHKINA, N.N., kandidat tekhnicheskikh nauk; DYKLOP, V.K., kandidat biologicheskikh nauk; IVANOVA, A.A., mladshiy nauchnyy sotrudnik; KALENOVA, M.S.; DUBROVINA, L.I.; POLETAYEV, T.N.

Protective coating for sausages. Trudy VNIIMP no.7:48-67 '55.  
(MLRA 9:8)

(Sausages) (Protective coatings)

LYASKOVSKAYA, Yu., kandidat tekhnicheskikh nauk; IVANOVA, A., inzhener;  
POLETAYEV, T.

Polyvinyl alcohol and possibilities of its utilization in the meat  
industry. Mias.ind. SSSR 26 no.1:52-53 '55. (MLRA 8:5)  
(Vinyl alcohol) (Meat industry)

LAVROVA, L., kandidat tekhnicheskikh nauk; DARGUNOVA, A., mladshiy nauchnyy sotrudnik; POLETAYEV, T.; ZUBKOV, I.

Diagrams for salting hams by injection with a hollow needle. Mias.  
(MLRA 8:10)  
ind. SSSR 26 no. 4:16-17 '55.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti (for Dergunov and Poletayev). 2. Master 1-go klassa Moskovskogo myasokombinata (for Zubkov)  
(Pork industry) (Meat--Preservation)

BARMASH, A.I., kand.tekhn.nauk; DERGUNOVA, A.A., starshiy nauchnyy sotrudnik;  
DYKLOP, V.K., kand.bilogicheskikh nauk; DUBROVINA, L.I., mladshiy  
nauchnyy sotrudnik; TRUDOLYUBOVA, G.B.; POLETAYEV, T.N.; V rabote  
prinimali uchastие; LAVROVA, L.P.; POZHARISKAYA, L.S.; ZUYEVA, L.D.;  
KALITA, L.A.; NESLYUZOV, A.F.; GOL'DMAN, Ye.I.; MAKEYEVA, M.N.;  
STEFANOV, A.F.

Use of blood in sausage manufacturing and canning. Trudy VNI IMP  
no.9:63-74 '59. (MIRA 13:8)

1. Vsesoyuznyy nauchnoy-issledovatel'skiy institut myasnoy promy-  
shlennosti (for Lavrova, Pozhariskaya, Zuyeva, Kalita, Neslyuzov).
2. Spetsialisty Moskovskogo myasokombinata (for Gol'dman, Makeyeva,  
Stefanov).

(Blood as food or medicine) (Sausages)  
(Canning and preserving)

KUKHARKOVA, L.L., starshiy nauchnyy sotrudnik; LAVROVA, L.P., kand. tekhn. nauk; SOLOV'IEV, V.I., kand. khim. nauk; FREYDLIN, Ye.M., kand. veter. nauk; PEROVA, P.V., kand. veter. nauk; SADIKOVA, I.A., kand. biol. nauk; KRYLOVA, V.V., starshiy nauchnyy sotrudnik; BUSHKOVA, L.A., starshiy nauchnyy sotrudnik; RYNDINA, V.P., starshiy nauchnyy sotrudnik; TRUDOLYUBOVA, G.B., starshiy nauchnyy sotrudnik; KARGAL'TSEV, I.I., assistent; MIKHAYLOVA, A.Ye., mladshiy nauchnyy sotrudnik; KARPOVA, V.I., mladshiy nauchnyy sotrudnik; POLETAYEV, T.N., mladshiy nauchnyy sotrudnik; MERKULOVA, V.K., mladshiy nauchnyy sotrudnik

Directed use of microorganisms for the improvement of the quality of sausage products. Report No. 1. Trudy VNIIMP no.16:  
64-75 '64.  
(MIRA 18:11)

1. Kafedra tekhnologii Moskovskogo tekhnologicheskogo instituta myasnoy i molochnoy promyshlennosti (for Kargal'tsev).

SOLOV'YEV, V.I., kand. khim. nauk; LAVROVA, L.P., kand. tekhn. nauk;  
SADIKOVA, I.A., kand. biol. nauk; KRYLOVA, V.V., starshiy  
nauchnyy sotrudnik; BUSHKINA, L.A., starshiy nauchnyy sotrudnik;  
MERKULOVA, V.K., mladshiy nauchnyy sotrudnik; POLETAYEV, T.N.,  
mladshiy nauchnyy sotrudnik; KARPOVA, V.P., inzh.-khimik;  
MAMAYEVA, S.A., tekhnik

Studying some conditions providing for color intensity and  
stability in the production of smoked and cooked sausage.  
Trudy VNIIIMP no.16:183-201 '64. (MIRA 18:11)

LAVROVA, L.I., kand. tekhn. nauk; KUKHARKOVA, L.L., starshiy nauchnyy sotrudnik; SOLOV'YEV, V.I., kand. khim. nauk; IL'YASHENKO, M.A., kand. veterin. nauk; KRYLOVA, V.V., starshiy nauchnyy sotrudnik; VOLKOVA, A.G., mladshiy nauchnyy sotrudnik; KUZNETSOVA, G.N., mladshiy nauchnyy sotrudnik; POLETAYEV, T.N., mladshiy nauchnyy sotrudnik

Intensification of technological processes in the production of hard smoked sausages. Trudy VNIIMP no.11:57-75 '62.  
(MIRA 18:2)

BARMASH, A.I., kand. tekhn. nauk; POLETAYEV, T.N., mladshiy nauchnyy sotrudnik; BARSUKOVA, A.P., mladshiy nauchnyy sotrudnik

Technology of the mass production of a wide assortment of canned meat. Trudy VNIIMP no.12:122-127 '62. (MIRA 18:2)

BARMASH, A.I., kand. tekhn. nauk; ADUTSKEVICH, V.A., kand. vet. nauk;  
TRUDOLYUBOVA, G.B., mladshiy nauchnyy sotrudnik; PONIATAYEV, T.N.,  
mladshiy nauchnyy sotrudnik

Technology of the production of canned tongue. Trudy VNILMP no.11:  
(MIRA 18:2)  
87-105 '62.

BARMASH, A.I., kand.tekhn.nauk; POLETAYEV, T.N., mladshiy nauchnyy sotrudnik

New technology for the preservation of liver pate. Trudy  
VNIIMP no.14:57-67 '62. (MIRA 16:8)  
(Sausages—Preservation)

POLETAYEV, V., podpolkownik

Chamber for training purposes. Voen. vest. 42 no.10:113 0 "62.  
(MIRA 15:10)  
(Chemical warfare)

ZAPOROZHETS, A., polkovnik; PLATOV, B., podpolkovnik; POLETAYEV, V.,  
podpolkovnik

In a situation approximating combat. Voen. vest. 42 no.8:56-  
62 Ag '62. (MIRA 15:7)  
(Attack and defense (Military science))  
(Military education)

POLETAYEV, V.,--podpolkovnik

Imitator of firing by means of a distance-type exploding device.  
Voen. vest. 42 no 7:116-117 Jl '62. (MIRA 15:6)  
(Shooting, Military—Equipment and supplies)

LEBEDEV, A.V.; POLETAYEV, V.A.; GOLIKOV, A.A.; NAGIRNYAK, F.I.

UMK-500 flotation machine. TSvet. met. 36 no.9:ll-14 S '63.  
(MIRA 16:10)

VIV'YER, A.S.; POLETAYEV, V.B.; RUDOVICH, M.A.

Small K-18 proportioning devices. Mash. i neft. obor. no.9:  
20-21 '63. (MIRA 17:2)

1. Kombinat No.18, g. Salavat.

GONSALES, A.A.; KURGANOV, V.M.; AGAFONOV, A.V.; ABAYEVA, B.T.;  
POLETAYEV, V.B.; VIV'YER, A.S.; RUDOVICH, M.A.; BELYAYEVA, Z.G.;  
RUTMAN, G.I.

Results of redesigning an industrial catalytic-cracking device.  
Nefteper. i neftekhim. no.9:6-10 '63. (MIRA 17:8)

1. Salavatskiy kombinat i Vsesoyuznyy nauchno-issledovatel'skiy  
institut po pererabotke nefti.

I. 05289-57 EWT(d)/EWP(c)/EWP(v)/EWP(k)/EWP(h)/EWP(l) IWP(s)

ACC NR: AR6021350

SOURCE CODE: UR/0372/66/000/002/G048/G048

42

41

B

AUTHOR: Ilyukhin, V. T.; Poletayev, V. D.

TITLE: Centralized monitoring and automatic punching in a system for the complex automation of experimental activities

SOURCE: Ref. zh. Kibern, Abs. 2G304

REF SOURCE: Sb. Turboporshn. dvigatel. M., Mashinostroyeniye, 1965, 272-281

TOPIC TAGS: electronic logic recorder, tape puncher, test monitoring, punching machine, data recording, diesel engine / ELRU-2m electronic logic recorder; LP-1 tape puncher

ABSTRACT: The development of the SAP-1 automatic punching system for diesel research is described. This system assures the automatic centralized reception of experimental findings and their punching on film tape in a form suitable for insertion into an Ural electronic computer. The system includes: an ELRU-2m electronic logic recorder, somewhat modified for operation with special pickups; an LP-1 tape puncher, manufactured by the Penza Punch-card Computer Plant; and a puncher controller, developed by the Kolomna Plant. To broaden the possibilities of the ELRU, originally developed for the centralized monitoring and digital

Card 1/2

UDC: 658.564:62.001.5

L 05289-67

ACC NR: AR6021350

recording of temperatures in continuous processes, 2 systems of multiple-point measurement of slowly varying pressures have been developed, as has been a system for measuring the engine and turbocompressor r.p.m. The performance of the system during measurements of pressure and r.p.m. is described in detail and the purpose and design of the individual components are elucidated. The system's accuracy is within 1% and rapidity of action per point, 4.2 sec. Number of parameters: 52. 5 illustrations. V. Sh. [Translation of abstract]

SUB CODE: 09, 21/

Card

2/2

*egre*

POLETAYEV, V.F., inzh.

"Vladimirets" tractor. Mekh. i elek. sots. sel'khoz. 16 no.4:  
53 '58. (MIRA 11:10)

1. Vladimirskiy traktornyj zavod imeni A.A. Zhdanova.  
(Tractors)

YEROKHIN, N.G.; MARTYNOV, D.I.; POLETAYEV, V.F.; EFROS, V.V.;  
BANNIKOV, S.A.; PESTRYAKOV, A.I., red.; DEYEVA, V.M.,  
tekhn. red.

[Modernized T-28 row-crop tractors] Modernizirovannye pro-  
pashnye traktory T-28. Moskva, Izd-vo sel'khoz. lit-ry,  
zhurnalov i plakatov, 1961. 279 p. (MIRA 15:2)  
(Tractors)

POLETAYEV, V.I., prepodavatel'; PURITS, Ya.M., prepodavatel', red.

[Program of a course on "Safety engineering and fire prevention" for technical schools in electric engineering (a course of 57 hours)] Programma kursa "Tekhnika bezopasnosti i protivopozharnaya tekhnika" dlia elektromekhanicheskikh tekhnikumov (Ob"em kursa 57 chasov). Moskva, 1956. 11 p. (MIRA 11:8)

1. Russie (1923- U.S.S.R.) Ministerstvo elektrotekhnicheskoi promyshlennosti. Upravlenie uchebnymi zavedeniami. Metodicheskoe biuro. 2. Novocherkasskiy elektromekhanicheskiy tekhnikum (for Poletayev). 3. Moskovskiy elektromekhanicheskiy tekhnikum imeni L.B. Krasina. (for Purits).  
(Industrial accidents)

POLETAYEV, V. N.

Dissertation: Grad Stud -- "An Investigation of the Principal Mechanical and  
Technological Parameters of Jacquard Flax Weaving." Cand Tech Sci, Moscow Textile  
Inst, 17 Jun 54. Vechernaya Moskva, Moscow. 8 Jun 54

SO: Sum 318, 23 Dec. 1954

POLETAYEV, V. N., dotsent, Kandidat Technicheskikh Nauk.

"Further expansion of training by correspondence courses." Tekst. prom. 17 no. 6:11-13  
(MIRA 10:7)  
Je '57.

1. Direktor Vsesoyuznogo zaochnogo instituta tekstil'noy i legkoy promyshlennosti.  
(Textile industry--Study and teaching)  
(Correspondence schools and courses)

POLETAYEV, V.N.

Improving correspondence course study methods. Izv. vys. ucheb.  
zav.; tekhn. tekmti. prem. no.5:151-152 '58. (MIRA 11:12)

1. Direktor Vsesoyuznogo azachnogo instituta tekstil'noy i legkoy  
premyshlennosti.  
(Correspondence schools and courses)  
(Textile industry--Study and teaching)

POLETAYEV, V.S.

Maintenance and repair shops for collective farm trucks at machine-  
tractor stations. Nauka i pered.op. v sel'khoz. 7 no.8:56-57 '57.  
(MLR 10:9)

1. Glavnnyy inzhener 1-y Chelkovskoy Mashinno-traktornoy stantsii  
Moskovskoy oblasti.  
(Motortrucks--Maintenance and repair)

LEL'CHUK, Vitaliy Semenovich; POLETAYEV, V.Ye., otv. red.;  
ZEL'KIN, I.I., red.izd-va; VOLKOVA, V.V., tekhn.red.;  
RYLINA, Yu.V., tekhn. red.

[Creating the chemical industry in the U.S.S.R.; from the  
history of socialist industrialization] Sozdanie khimiche-  
skoi promyshlennosti SSSR; iz istorii sotsialisticheskoi  
industrializatsii. Moskva, Izd-vo "Nauka," 1964. 381 p.  
(MIRA 17:3)

POL'ZTAYE O U2/0.

KUZ'MINA, L.F.; POLETAYEV, V.Ye.; TOMASHEVICH, Yu.U.; SHAROVA, P.N.,  
otvetstvennyy redaktor; DANILOV, V.P., redaktor izdatel'stva;  
SHEVCHENKO, G.N., tekhnicheskiy redaktor

[Collectivization of agriculture; the most important decrees of  
the Communist Party and the Soviet government, 1927-1935. Kollekti-  
vizatsiya sel'skogo khoziaistva; vazhneishie postanovleniya Kommuni-  
sticheskoi partii i Sovetskogo pravitel'stva, 1927-1935. Moskva,  
1957. 573 p.]  
(MLRA 10:4)

1. Akademiya nauk SSSR. Institut istorii.  
(Agricultural policy)

POLETAYEV, Vladimir Yevgen'yevich; POLYAKOV, Yu.A., otv.red.; ZOMEE, Ye.B., red.izd-va;  
ZAV'YALKIN, N.P., red. izd-va; YEPIFANOVA, L.V., tekhn.  
red.

[On the road to a new Moscow; the beginning of the modernization of the capital, 1917-1935] Na putiakh k novoi Moskve;  
nachalo rekonstruktsii stolitsy, 1917-1935. Moskva, Izd-vo  
Akad.nauk SSSR, 1961. 168 p. (MIRA 15:1)

(Moscow—City planning)  
(Moscow—Construction industry)

VASIL'YEV, G.V., inzh.; KORETSKIY, B.A., inzh.; POLITAYEV, Ye.I., inzh.

Specialization has improved the operations of mine management.  
Shakht. stroi. 8 no.8:4-5 Ag '64. (MIRA 17:9)

1.Yegozovskoye shakhtostroitel'noye upravleniye.

PA 171T35

POLETAYEV, YE. S.

USSR/Electricity - Electrification of Oct 50  
Agriculture  
Historical Data

"I. V. Michurin's Experiments on the Use of  
Electricity," Ye. S. Poletayev, Engr, Moscow

"Elektrichestvo" No 10, pp 86,87

Describes number of experiments carried out by  
Michurin to encourage use of electricity in agr-  
iculture, particularly for development of new-  
type plants and seeds. Urges agricultural ex-  
perts to study Michurin's work in this field to  
make maximum use of electrical facilities.

171T35

FDD

TRET'YAKOVA, N.Ya., dotsent, kand. tekhn. nauk; POLETAYEVA, G.B., inzh.

Effect of the new method of wetting on the quality of the  
manufactured fabrics. Tekst. prom. 23 no.10:69-73 O '63.  
(MIRA 17:1)

1. Vsesoyuznyy zaochnyy institut tekstil'noy i legkoy  
promyshlennosti (VZITLP) (for Tret'yakova). 2. Vsesoyuznyy  
nauchno-issledovatel'skiy institut legkogo i tekstil'nogo  
mashinostroyeniya (VNIIITekmash) (for Poletayeva).

TRET'YAKOVA, N.Ya., dotsent, kand.tekhn.nauk; POLETAYEVA, G.B., inzh.

Effect of the new methods for inserting the filling on the quality of  
the obtained fabrics. Tekst.prom. 23 no.11:57-59 N '63. (MIRA 17:1)

1. Vsesoyuznyy zaochnyy institut tekstil'noy i legkoy promyshlennosti  
(for Tret'yakova). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut  
legkogo i tekstil'nogo mashinostroyeniya (for Poletayeva).

L 43712-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l) BC  
ACC NR: AP6023658 SOURCE CODE: UR/0103/66/000/004/0015/0023 51  
49  
B

AUTHOR: Poletayeva, I. A. (Moscow)

ORG: none

TITLE: Optimization of linear systems with step-wise constraints on control

SOURCE: Avtomatika i telemekhanika, no. 4, 1966, 15-23

TOPIC TAGS: optimal automatic control, linear automatic control system, Cauchy distribution, function analysis

ABSTRACT: A control process is considered which is described by the equation

$$\dot{x} = A(t)x + B(t)u, \quad t \in [t_0, T],$$

where  $x = (x_1, x_2, \dots, x_n)$  is the vector of the phase co-ordinates of the system,  $x \in X$ ;  $X$  is  $n$ -dimensional vector space; matrices  $A(t)$  and  $B(t)$  of orders  $(n \times n)$  and  $(n \times r)$ , respectively, and the  $r$ -dimensional control vector  $u(t)$  are such that the solutions  $\{x(t)\}$  of the system shown in formula (1) are piece-wise continuous and can be represented in Cauchy form with a continuous matrix  $F(t)$ . Designated by  $U$  is a class of permissible controls  $\{u(t)\}$  which, in addition to initial requirements, also satisfy the following constraints

UDC: 62-605.7

Card 1/2

L 46551-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l) RC

ACC NR: AP6021386

SOURCE CODE: UR/0103/66/000/006/0005/0021

AUTHOR: Poletayeva, I. A. (Moscow)

43

41

B

ORG: none

TITLE: Optimal systems with limited mean-square error

SOURCE: Avtomatika i telemekhanika, no. 6, 1966, 5-21

TOPIC TAGS: mean square error, optimal automatic control, error minimization, function analysis

ABSTRACT: The author discusses the problem of the transfer of a linear system with limited (minimal) mean-square error from one given point to a minimal (fixed)  $\delta$ -neighborhood of another given point. Also considered is the problem of the optimal occurrence of a system with limited mean-square error within a prescribed set of points. The problems are solved by the use of a functional analysis method (R. Gabasov & F. M. Kirillova.: Ob odnom sposobe resheniya nekotorykh zadach optimal'nogo regulirovaniya. Avtomatika i telemekhanika, t. XXV, No. 3, 1964; O reshenii nekotorykh zadach teorii optimal'nykh protsessov. Avtomatika i telemekhanika, t. XXV, No. 7, 1964; Optimizatsiya vypuklykh funktsionalov na trayektoriyakh lineynykh sistem. Dokl. AN SSSR, t. 156, No. 5, 1964), based on the separability of convex

Card 1/2

UDC: 62-505.1

L 46651-66

ACC NR: AP6021386

closed sets. In conclusion, the author expresses his sincere gratitude to F. M. Kirillova and R. Gabasov for great assistance in the work on this paper, and also for the opportunity of becoming acquainted with the manuscript of the article "The statistical problem of optimal control of a finite state of a linear system," which is closely similar to problem 3 discussed in this paper. Orig. art. has: 58 formulas.

2

SUB CODE: 12,09 / SUBM DATE: 30Aug65 / ORIG REF: 020 / OTH REF: 004

Card 212 eskl

I : 31556-66 EWT(d)/EWT(m)/EWP(w) IJP(c) EM/GD  
ACC NR: AT6006217

SOURCE CODE: UR/0000/65/000/000/0175/0182

AUTHOR: Poletayeva, L A.

46  
45  
8+1

ORG: None

TITLE: Selection of the optimality criterion

SOURCE: AN SSSR. Institut avtomatiki i telemekhaniki, Tekhnicheskaya kibernetika  
(Technical cybernetics). Moscow, Izd-vo Nauka, 1965, 175-182

TOPIC TAGS: linear control system, optimal control, mathematic analysis

ABSTRACT: The solution to the problem on optimal control starts with the selection of the optimality criterion. The question of which criterion is better is very important; however, as a rule, the optimality criterion is simply postulated mostly on the basis of considerations of the possibility of providing an analytical solution to a problem. The present author attempts to study the problem of the selection of the minimizing functional in the solution of problems on optimal control in a linear steady-state system. The author considers the class for which the degree of damping of the transient process is the greatest to be the best of a class of functionals (if such exists). Two classes of functionals are studied:

$$I(u) = \int_0^{\infty} e^{2\beta t} V dt, \quad V = \sum_{i=1}^n a_i x_i^2 + u^2,$$

Card 1/3

L 31556-66

ACC NR: AT6006217

where  $a_i$  are constants;  $a_i > 0$ ,  $\delta - 0$  is the parameter; and

$$I(u) = \int_0^\infty \left[ \sum_{i=1}^n a_i x_i^{2\delta} + u^{2\beta} \right] dt,$$

where  $a_i > 0$ ,  $a_i \beta$  are constants;  $\beta - 1$  is the parameter which take on whole values. The first type of functionals are treated as a particular case by A. M. Letov (Analiticheskoye konstruirovaniye reguljatorov. V. Dal'neysheye razvitiye problemy. AiT, 1962, 23, No. 11):

$$I(u) = \int_0^\infty \chi(t) V dt,$$

where  $\psi(t)$  is a monotonic increasing continuously differentiable time function with the characteristic numbers  $2\delta$ ,  $\delta > 0$ ;  $\psi(0) > 0$ . A type of optimal equation is found for the functional (1) and the equation system

$$\dot{x} = A(t)x + b(t)u,$$

where

$$x = \{x_1, \dots, x_n\}, A(t), b(t)$$

are continuous matrix and vector, respectively. It is shown that the optimal (with respect to the minimum (1)) control action, if it exists, is a linear form of the phase coordinates  $x_i$ ,  $i = 1, 2, \dots, n$ , with time dependent coefficients, determined by the coefficients of corresponding Lyapunov-Bellman functions. Functionals of the type examined were proposed for the study by

Card 2/3

L 31556-66

ACC NR: AT6006217

A. M. Letov. Orig. art. has: 4 figures and 10 formulas.

SUB CODE: 09 / SUBM DATE: 05Nov65 / ORIG REF: 010 / OTH REF: 002

Card 3/3 LC

POLETAYEVA, K. A.

POLETAYEVA, K. A. "Material on the Role of the Cerebral Cortex in  
in the Pathogenesis of Experimental Tuberculosis."  
Acad Sci USSR. Inst of Physiology imeni I. P.  
Pavlov. Inst of Tuberculosis imeni A. Ya.  
Sternberg. Laboratory of Experimental Pathology.  
Leningrad, 1956. (Dissertation for the Degree of  
Candidate in Medical Science)

So: Knizhnaya Letopis', No. 19, 1956.

KAN, G.S., POLETAYEVA, K.A., (Leningrad)

Effect of functional conditions of the central nervous system on the development of experimental anemia. Arkh.pat. 18 no.2:12-19 (MIRA 11:10)

1. Iz otdela eksperimental'noy patologii (zav. - kandidat meditsinskikh nauk G.S. Kan). Leningradskogo nauchno-issledovatel'skogo tuberkuleznogo instituta. (dir. - prof. A.D. Semenov, nauchnyy konsul'tat - deystvitel'-nyy chlen AMN SSSR prof. V.N. Chernigovskiy).

(ANEMIA, experimental,

eff. of aortic & carotid denervation on develop (Rus))

(AORTA, physiology,

eff. of denervation on develop. of exper. anemia (Rus))

(ARTERIES, CAROTID, physiology,

same (Rus))

Poletaeva, K.A.

SSR / Microbiology - Microbes Pathogenic to Humans and Animals F-4

Abs Jour: Referat. Zh. Biol., No. 1, 1958, 755

Author : Poletaeva, K.A.

Title : Effect of Small Doses of Caffein on Development of Experimental Tuberculosis in White Mice

Orig Pub: Byul. eksperim. biol. i meditsiny, 1957, 43,  
No. 1, 41-45

Abstract: The mice under experiment received a hypodermic injection of 0.05 mg caffein daily for 7 days before and 41 days after infection by tuberculosis bacteria. On the 60th day after infection the average weight of lungs and pancreas of the experimental mice was 622.5 and 322.5 mg, while in the controls they were 833.2 and 713.3 mg. The number and size of tubercles in the lungs also

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KAN, G.S., starshiy nauchnyy sotrudnik; KAN, Ye.L., starshiy nauchnyy sotrudnik; POLETAYEVA, K.A., mladshiy nauchnyy sotrudnik

Experimental tuberculosis of the spleen and its interrelation with the nervous system. K izuch.roli nerv.sist.v pat., immun.i lech. tub. no.2:46-62 '61. (MIRA 15:10)

1. Iz laboratorii eksperimental'noy patologii i terapii (zav. - G.S.Kan) Leningradskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - prof. A.D.Semenov) i gruppy deystvitel'nogo chlena AMN SSSR prof. M.D.Tushinskogo.  
(SPLEEN--TUBERCULOSIS) (NERVOUS SYSTEM)

POLETAYEVA, K.A., mladshiy nauchnyy sotrudnik

Effect of large doses of caffeine on the development of experimental  
tuberculosis in white mice. K izuch.roli nerv.sist.v pat., immun.i  
lech.tub. no.2:190-197 '61. (MIRA 15:10)

1. Iz laboratori eksperimental'noy patologii i terapii (zav. -  
G.S.Kan) Leningradskogo nauchno-issledovatel'skogo instituta  
tuberkuleza. (TUBERCULOSIS) (CAFFEINE--PHYSIOLOGICAL EFFECT)

POLETAYEVA, K.A., mladshiy nauchnyy sotrudnik

Effect of the overstraining of nervous processes on the course of experimental tuberculosis in white mice. K izuch.roli nerv.sist.v pat., immun.i lech.tub. no.2:183-189 '61. (MIRA 15:10)

1. Iz laboratorii eksperimental'noy patologii i terapii (zav. - G.S.Kan) Leningradskogo nauchno-issledovatel'skogo instituta tuberkuleza.  
(STRESS (PHYSIOLOGY)) (TUBERCULOSIS)

POLESTAYEVA, K.A. (Leningrad)

Effect of large doses of caffeine on the development of experimental tuberculosis in white mice. Pat.fiziol. i eksp.terap. 2 no.6:50-51  
N-D '58.  
(MIRA 12:1)

1. Iz otdela eksperimental'noy patologii i terapii (zav. - kand. med. nauk G.S. Kan) Leningradskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - prof. A.D. Semenov, nauchnyy konsul'tant - chlen-korrespondent AN SSSR deystvitel'nyy chlen AMN SSSR V.N. Chernigovskiy).  
(CAFFEINE, eff.

on pathogen. of tuberc. in mice (Rus))  
(TUBERCULOSIS, exper.

eff. of caffeine on pathogen. in mice (Rus))

POLETAYEVA, M.F.

28-4-27/35

## AUTHORS:

Poletayeva, M.F., Candidate of Technical Sciences, and  
Markov, P.U., Engineer.

## TITLE:

A Manual on Tolerances and Gages is Needed (Nuzhen spravochnik po dopuskam i posadkam)

## PERIODICAL:

Standartizatsiya, 1957, # 4, p 79 (USSR)

## ABSTRACT:

The authors point out the lack of a unified special manual on tolerances and gages. Though the field is covered by the encyclopedical manual "Machinebuilding" ("Mashinostroyeniye"), the "Toolmaker's Manual" ("Spravochnik instrumental'shchika"), and other books, such as "A Manual for Tolerances, Fits and Gages" by Ye.I. Gorodetskiy and "A Manual for Tolerances, Threads and Gages" by N.M. Shifmanovich and S.P. Afanas'yev, the calculation methods used in these books differ, particularly for working gages.

The best grounded and most comprehensible is the "Toolmaker's Manual" method for calculation of gage divergence from the maximum workpiece dimensions. This method conforms closest to the principle of the tolerance system.

A special manual containing all necessary data, is needed,

Card 1/2

MAKASHEV, A.P., prof.; POLETAYEVA, N.N., starshiy nauchnyy sotrudnik; ISA-GULYAN, E.A., mladshiy nauchnyy sotrudnik

Experimental storage of apples in film wrapping material and containers. Khol.tekh. 41 no.1:36-41 Ja-F '64. (MIRA 17:3)

1. Krasnodarskiy nauchno-issledovatel'skiy institut pishchevoy promyshlennosti.

ZHEREBTSOV, P.I., doktor biologicheskikh nauk, prof.; BURCHENKO, Ye.V., a  
sistant; POLETAYEVA, N.S., nauchnyy sotrudnik

Changes of morphological and some physical blood indicates in the  
Black and White calves in ontogenesis. Izv. TSKhA no.4:209-214  
'61. (MIRA 14:9)

(Calves) (Blood)

MALAKHOVA, Ye.I., starshiy nauchnyy sotrudnik; NAUMYCHEVA, M.I., starshiy nauchnyy sotrudnik; FEDOTOVA, M.N., veterinarnyy vrach; POLETAYEVA, O.G., biolog

Testing the chemoprophylactic properties of piperazine and ditrazine in swine ascariasis. Trudy VIGIS 10:207-220 '63.  
(MIRA 17:9)

YERSHOV, V.S., prof.; NAUMYCHEVA, M.I., kand. vet. nauk; POLETAYEVA, O.G.,  
mladshiy nauchnyy sotrudnik

Manifestation of allergy in experimental multiple infection of  
piglets with ascariasis. Trudy VIGIS 11:54-58 '64.

(MIRA 18:12)

LEYKINA, Ye.S.; MOSKVIN, S.N.; SOKOLOVSKAYA, O.M.; POLETAYEVA, O.G.

Longevity of *Cysticercus bovis* and the development of immunity  
in cysticercosis. Med. paraz. i paraz. bolezni. 33 no.6:694-700  
(MIRA 18:6)  
N.D. '64.

1. Otdel gel'mintologii Instituta meditsinskoy parazitologii i  
tropicheskoy meditsiny imeni Martsinovskogo Ministerstva zdravo-  
okhraneniya SSSR i kafedra parazitologii Moskovskoy veterinarnoy  
akademii.

POLETAYEVA, O.K.

New genera and species of Cambrian trilobites in the Western  
Siberia. Trudy SNIGGINS no.8:50-76 '60. (MIRA 15:9)  
(Siberia, Western--Trilobites)

1. POLETAYEVA, O. K.
2. USSR (600)
4. Trilobites-Salair Mountains
7. Fauna of the trilobites Cm<sub>3</sub> from the vicinity of Arinicheva village in the Salair Mountains.  
[Abstract.] Izv. Glav. upr. geol. fon. No. 3, 1947
9. Monthly List of Russian Accessions, Library of Congress, March 1953, Uncl.